

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER FGT 384CON	APPLICATION NUMBER
	APPLICANT(S) GOPICHANDRA SURNILLA	
	FILING DATE	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	3,696,318	10-10-72	Boyd et al			
ES	3,696,618	10-10-72	Boyd et al			
ES	3,969,932	7-20-76	Rieger et al			
ES	4,033,122	7-5-77	Masaki et al			
ES	4,036,014	7-19-77	Ariga			
ES	4,046,126	9-77	Takemoto			
ES	4,051,673	10-77	Masaki			
ES	4,134,261	1-16-79	Iizuka et al			
ES	4,172,434	10-30-79	Coles			
ES	4,178,883	12-18-79	Herth			
ES	4,207,855	6-17-80	Phillips			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	1496605	12-30-77	GB				
ES	55-29002	3-1-80	JP			Abstract only	
ES	55-49549	4-10-80	JP			Abstract only	

OTHER DOCUMENTS

ES	JOE THEIS et al, "An Air/Fuel Algorithm To Improve The Nox Conversion Of Copper-Based Catalysts", SAE Technical Paper No. 922251, October 19-22, 1992, pp. 77-89
ES	Y. KANEKO et al, "Effect of Air-Fuel Ratio Modulation on Conversion Efficiency of Three-Way Catalysts", INTER-INDUSTRY EMISSION CONTROL PROGRAM 2 (IIEC-2) PROGRESS REPORT NO. 4, SAE Technical Paper No. 780607, June 5-9, 1978, pp. 119-127
ES	ALAN F. DIWELL, "Engineered Control Strategies For Improved Catalytic Control of Nox in Lean Burn Applications", SAE Technical Paper No. 881595, 1998, pp. 1-11

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ES	10/28/04

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	4,251,989	2-24-81	Norimatsu et al			
ES	4,305,249	12-15-81	Schmid et al			
ES	4,550,704	11-85	Barho et al			
ES	4,622,809	11-18-86	Abthoff et al			
ES	4,690,116	9-1-87	Takahashi			
ES	4,854,123	8-8-89	Inoue et al			
ES	4,860,716	8-29-89	Deutschmann			
ES	4,884,066	11-28-89	Miyata et al			
ES	4,913,122	4-3-90	Uchida et al			
ES	4,964,272	10-23-90	Kayanuma			
ES	5,009,210	4-23-91	Nakagawa et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	2090331	7-7-82	GB				
ES	62-97630	5-7-87	JP			Abstract only	
ES	62-117620	5-29-87	JP			Abstract only	

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ES	ALLEN H. MEITZLER, "Application of Exhaust-Gas-Oxygen Sensors to the Study of Storage Effects in Automotive Three-Way Catalysts", SAE 800019, February 25-29, 1980, pp. 13-21
ES	W.H. HOLL, "Air Fuel Control to Reduce Emissions, I. Engine-Emissions Relationships", SAE 800051, February 25-29, 1980, pp. 1-10
ES	WEI-MING WANG, "Air-Fuel Control to Reduce Emissions, II. Engine-Catalyst Characterization Under Cyclic Conditions", SAE 800052, February 25-29, 1980, pp. 1-13

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ES	16/28/04

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,088,281	2-18-92	Izutani et al			
ES	5,097,700	3-24-92	Nakane			
ES	5,165,230	11-24-92	Kayanuma et al			
ES	5,174,111	12-29-92	Nomura et al			
ES	5,189,876	3-2-93	Hirota et al			
ES	5,201,802	4-13-93	Hirota et al			
ES	5,209,061	5-11-93	Takeshima			
ES	5,222,471	6-29-93	Stueven			
ES	5,233,830	8-10-93	Takeshima et al			
G	5,245,978	9-21-93	Orzel			
ES	5,267,439	12-7-93	Raff et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	62-247176	10-28-87	JP			Abstract only	
ES	64-53042	3-1-89	JP			Abstract only	
ES	0 351 197	1-17-90	EP				

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ES	CHRISTOPHER D. DE BOER et al, "Engineered Control Strategies for Improved Catalytic Control of NOx in Lean Burn Applications", SAE 881595, October 10-13, 1988, pp. 3-10
ES	TOOSHIKAI YAMAMOTO et al, "Dynamic Behavior Analysis of Three Way Catalytic Reaction", JSME 882072-882166, pp. 1-10

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ES	10/28/04

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,267,548	12-7-93	Rosenzopf et al			
ES	5,270,024	12-14-93	Kasahara et al			
ES	5,272,871	12-28-93	Oshima et al			
ES	5,325,664	7-5-94	Seki et al			
ES	5,331,809	7-26-94	Takeshima et al			
ES	5,335,538	8-9-94	Bilschke et al			
ES	5,357,750	10-25-94	Ito et al			
ES	5,375,415	12-27-94	Hamburg et al			
ES	5,377,484	1-3-95	Shimizu			
ES	5,402,641	4-4-95	Katoh et al			
ES	5,410,873	5-2-95	Tashiro			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	2-30915	2-1-90	JP			Abstract only	
ES	2-33408	2-2-90	JP			Abstract only	
ES	2-207159	8-16-90	JP			Abstract only	

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ES	16/28/04

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
SS	5,412,945	5-9-95	Katoh et al			
SS	5,412,946	5-9-95	Oshima et al			
GS	5,414,994	5-16-95	Cullen et al			
SS	5,419,122	5-30-95	Tabe et al			
GS	5,423,181	6-13-95	Katoh et al			
GS	5,433,074	7-18-95	Seto et al			
GS	5,437,153	8-1-95	Takeshima et al			
GS	5,448,887	9-12-95	Takeshima			
GS	5,450,722	9-12-95	Takeshima et al			
GS	5,452,576	9-26-95	Hamburg et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
GS	3-135417	6-10-91	JP			Abstract only	
GS	0 444 783	9-4-91	EP				
GS	0 503 882	9-16-92	EP				

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SS	10/28/04

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,472,673	12-5-95	Goto et al				
GS	5,473,887	12-12-95	Takeshima et al				
GS	5,473,890	12-12-95	Takeshima et al				
ES	5,479,898	1-2-96	Cullen et al				
GS	5,483,795	1-16-96	Katoh et al				
ES	5,496,228	3-5-96	Takata et al				
GS	5,497,745	3-12-96	Cullen et al				
GS	5,544,482	8-13-96	Matsumoto et al				
GS	5,551,231	9-3-96	Tanaka et al				
GS	5,577,382	11-26-96	Kihara et al				
GS	5,595,060	1-21-97	Togai et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	5-26080	2-2-93	JP			Abstract only	
GS	5-106493	4-27-93	JP			Abstract only	
GS	5-106494	4-27-93	JP			Abstract only	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,598,703	2-4-97	Hamburg et al			
ES	5,622,047	4-22-97	Yamashita et al			
ES	5,626,014	5-6-97	Hepburn et al			
ES	5,626,117	5-6-97	Wright et al			
ES	5,647,207	7-15-97	Grotjahn et al			
ES	5,655,363	8-12-97	Ito et al			
ES	5,657,625	8-19-97	Koga et al			
ES	5,693,877	12-2-97	Ohsuga et al			
ES	5,713,199	2-3-98	Takeshima et al			
ES	5,715,679	2-10-98	Asanuma et al			
ES	5,722,236	3-3-98	Cullen et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	0 580 389	1-26-94	EP				
ES	6-58139	3-1-94	JP			Abstract only	
ES	6-264787	9-20-94	JP			Abstract only	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,724,808	3-10-98	Ito et al			
ES	5,727,522	5-17-98	Otani et al			
ES	5,732,554	3-31-98	Sasaki et al			
ES	5,735,119	4-7-98	Asanuma et al			
ES	5,740,669	4-21-98	Kinugasa et al			
ES	5,743,084	4-28-98	Hepburn			
ES	5,746,049	5-5-98	Cullen et al			
ES	5,746,052	5-5-98	Kinugasa et al			
ES	5,752,492	5-19-98	Kato et al			
ES	5,771,685	6-30-98	Hepburn			
ES	5,771,686	6-30-98	Pischinger et al			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	7-35016	2-3-95	JP			Abstract only	
ES	7-97941	4-11-95	JP			Abstract only	
ES	2283111	4-26-95	GB				

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,778,666	7-14-98	Cullen et al				
ES	5,792,436	8-11-98	Feeley et al				
ES	5,802,843	9-8-98	Kurihara et al				
ES	5,803,048	9-8-98	Yano et al				
ES	5,832,722	11-10-98	Cullen et al				
ES	5,842,340	12-1-98	Bush et al				
ES	5,865,027	2-2-99	Hanafusa et al				
ES	5,930,992	8-99	Esch et al				
ES	5,938,715	8-17-99	Zang et al				
ES	5,950,603	9-99	Cook et al				
ES	5,970,707	10-26-99	Sawada et al				
ES	5,974,793	11-2-99	Kinugasa et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	7-166851	6-27-95	JP			Abstract only	
ES	196 07 151	7-10-97	DE			Abstract only	
ES	98/27322	6-25-98	WIPO				
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,974,788	11-2-99	Hepburn et al			
ES	5,974,791	11-2-99	Hirota et al			
ES	5,983,627	11-16-99	Asik			
ES	5,992,142	11-30-99	Pott			
ES	5,996,338	12-7-99	Hirota			
ES	6,012,428	1-11-00	Yano et al			
ES	6,014,859	1-18-00	Yoshizaki et al			
ES	6,023,929	2-15-00	Ma			
ES	6,058,700	5-9-00	Yamashita et al			
ES	6,158,218	12-12-00	Herold et al			
ES	6,189,316	2-20-01	Surnilla et al			
ES	6,247,445	6-19-01	Langer			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	10107158	8-23-01	DE			Abstract only	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	6,276,138	8-21-01	Welch			
ES	6,305,344	10-31-01	Perry			
ES	6,345,496	2-12-02	Fuwa et al			
ES	6,349,710	2-26-02	Kawai et al			
ES	6,360,713	3-26-02	Kolmanovsky et al			
ES	6,367,443	4-9-02	Bassu et al			
ES	6,382,193	5-7-02	Boyer et al			
ES	6,389,806	5-21-02	Glugla et al			
ES	6,408,618	6-25-02	Ide			
ES	6,415,601	7-9-02	Glugla et al			
ES	6,467,259	10-22-02	Surnilla et al			
ES	6,543,219	4-8-03	Surnilla			
ES	6,619,241	9-16-03	Otterspeer et al			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	6,546,910	4-15-03	Tanaka et al			
ES	6,550,240	4-22-03	Kolmanovsky et al			
ES	6,568,177	5-27-03	Surnilla			
ES	2001/0015065	8-23-01	Ide			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
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		FILING DATE March 24, 2004	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
ES	5,179,924	1-19-93	Manaka			
	5,437,253	8-1-95	Huffmaster et al			
	5,483,941	1-16-96	Cullen et al			
	5,492,094	2-20-96	Cullen et al			
	5,628,299	5-13-97	Marzonia et al			
	5,672,817	9-30-97	Sagisaka et al			
	6,116,213	9-12-00	Yasui et al			
	6,244,242	6-12-01	Grizzle et al			
	6,324,835	12-4-01	Surnilla et al			
	6,327,850	12-11-01	Yasui et al			
	6,505,464	1-14-03	Isobe et al			
	6,539,784	4-1-03	King et al			
✓	6,615,804	9-9-03	Matthews et al			
ES	2003/0221664	12-4-03	Surnilla			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
ES	2056556	7-2-80	GB				

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